



**PRODUCT NAME :** ATMEL 89C2051

**PRICE :** Rs 60.00

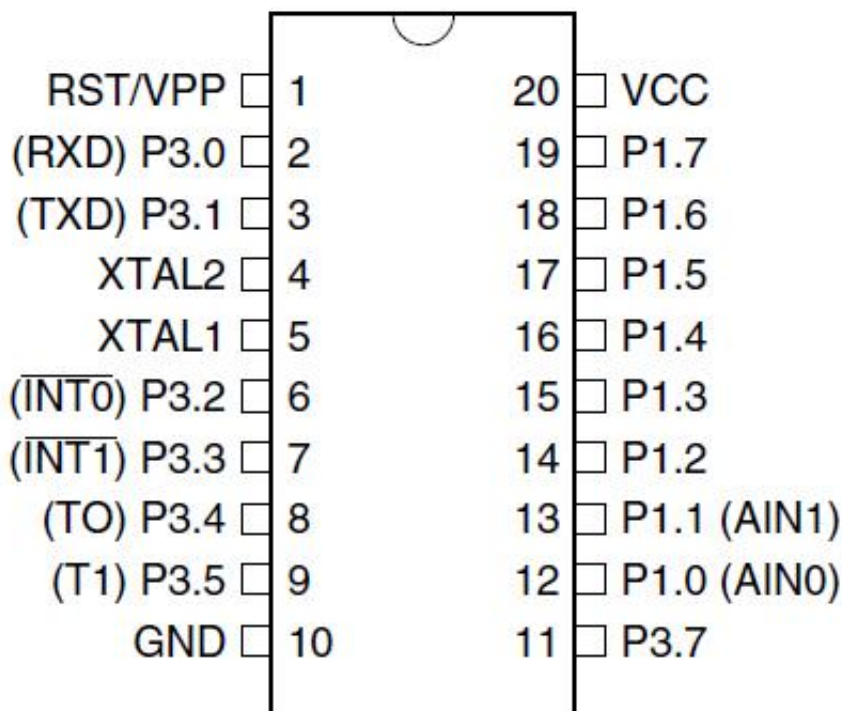
**SKU :** RM0082



## DESCRIPTION

The **ATMEL 89C2051 Microcontroller** or commonly known as AT89S52 is a low-power, high-performance **CMOS 8-bit microcontroller** with 8K bytes of in-system programmable Flash memory. The device is manufactured using Atmel's high-density nonvolatile memory technology and is compatible with the industry-standard 80C51 instruction set and pinout. The on-chip Flash allows the program memory to be reprogrammed in-system or by a conventional nonvolatile memory programmer. By combining a versatile **8-bit CPU with in-system programmable** Flash on a monolithic chip, the Atmel AT89S52 is a powerful microcontroller which provides a highly-flexible and cost-effective solution to many embedded control applications.

## Images/Pinout of ATMEL 89C2051 Microcontroller



## Features of ATMEL 89C2051 Microcontroller:

- Compatible with **MCS®-51Products**
- 2K Bytes of Reprogrammable Flash Memory.
- Endurance: 10,000 Write/Erase Cycles.
- **2.7V to 6V Operating Range.**

- Endurance: 1,000 Write/Erase Cycles
- Fully Static Operation : **0 Hz to 24 MHz**
- Two-level Program Memory Lock.
- **128 x 8-bit Internal RAM.**
- 15 Programmable I/O Lines.
- Two 16-bit Timer/Counters.
- **Six Interrupt Sources.**
- Programmable Serial UART Channel.
- Direct LED Drive Outputs.
- Dual Data Pointer.
- Low-power Idle and Power-down Modes.
- On-chip Analog Comparator

### **Applications of ATMEL 89C2051 Microcontroller:**

- Multiple DIY projects.
- Projects requiring more than logical control for devices.
- Microcontroller applications for multiple device interface/Control.
- Replacement for **Arduino module.**
- Needs a **USB AVR programmer.**

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